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Name of Person Signing Andrea Vasquez

Date 01/20/2004

Signature [Handwritten Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Russell, Anthony W., et al.
APPLICATION NO.: 10/666,314
FILING DATE: 09/18/03
ART UNIT: 3641
ATTORNEY DOCKET NO.: SMAR002
TITLE OF THE INVENTION: BOREHOLE SURVEYING

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sirs:

In accordance with §§ 1.56, 1.97 and 1.98 of Title 37 of the Code of Federal Regulations and pursuant to Applicant's duty of candor and good faith toward the United States Patent and Trademark Office, applicant discloses the following information items which constitute the most relevant information items of which persons substantively involved in the present application are aware. Pursuant to 37 CFR §1.97(h) the information disclosed shall not be construed to be an admission of materiality to patentability.

Twelve (12) U.S. patents plus one (1) U.S. application, two (2) foreign/international patents/applications and a U.K. Search Report cover page that relate to this invention are listed on the enclosed PTO/SB/08A and PTO/SB/08B forms and copies of these items are enclosed pursuant to §1.98.

Respectfully Submitted,

Date: 1/20/04

[Handwritten Signature]

Mark A. Oathout,
Registration No. 33,747
3730 Kirby Drive,
Suite No. 830
Houston, Texas 77098
Telephone (713) 522-6565
Facsimile (713) 522-8889

Attorney for Applicant



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/666,314
Filing Date	09/18/2003
First Named Inventor	Russell, Anthony W.
Art Unit	3641
Examiner Name	
Attorney Docket Number	SMAR002

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5398421	03/21/1995	Nicolle et al.	
		US- 4682421	07/28/1987	van Dongen	
		US- 4510696	04/16/1985	Roesler	
		US- 4819336	04/11/1989	Russell	
		US- 4999920	03/19/1991	Russell et al.	
		US- 5314030	05/24/1994	Peterson et al.	
		US- 5435069	07/25/1995	Nicholson	
		US- 5469736	11/28/1995	Moake	
		US- 5606124	02/25/1997	Doyle et al.	
		US- 5646611	07/08/1997	Dailey et al.	
		US- 6065218	05/23/2000	Edwards	
		US- 6637119	10/28/2003	Russell et al.	
		US- 20020078745	06/27/2002	Russell, Michael	
		US-			
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		US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
	EP	0387991	A2	09/19/1990	Russell		
	WO	99/66173	A1	12/23/1999	Shell		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Application Number	10/666,314
		Filing Date	09/18/2003
		First Named Inventor	Russell, Anthony W.
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		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	SMAR002

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ALISON BOURNE, The UK Patent Office, Patents Act 1977 Search Report under Section 17, August 23, 2002, UK (one page)	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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